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- (71) Applicant (for all designated States except US): SCHAERER MAYFIELD USA, INC. [US/US]; 4900 Charlemar Drive, Cincinnati, OH 45227 (US).
- (72) Inventor; and
- Inventor/Applicant (for US only): EASTON, Kevin, R. [US/US]; 8070 Ashgrove Drive, Cincinnati, OH 45244 (US).
- (74) Agents: EBY, Richard, C. et al.; Wood, Herron & Evans, L.L.P., 2700 Carew Tower, Cincinnati, OH 45202 (US).
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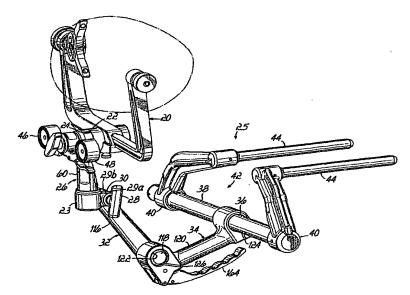
#### Published:

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SWIVEL ADAPTER AND BASE UNIT HANDLE



(57) Abstract: A swivel adapter (26) has a base (60) with an outward facing first side (57) and a pivot surface (55) extending from the first side. A Center adapter (52) is mounted for pivoting motion on the pivot surface and has an outward facing first device connector (46). A clamp (78) has a clamp operator (80) operable to clamp the center adapter on the pivot surface at a desired orientation with respect to the base. A base unit handle (34) has a clamping mechanism (128, 138, 156, 164) connected to a body (120) having two split bores (36, 122), which is operable to clamp and unclamp the split bores on respective shafts. The clamping mechanism has linkage (138, 156) connected to a closing handle (164) to provide a mechanical advantage to the handle during the clamping action.

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched} & \mbox{(classification system followed by classification symbols)} \\ \mbox{I PC} & 7 & \mbox{A61B} & \mbox{A61G} \end{array}$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

### EPO-Internal

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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
<b>X</b> .	US 3 572 835 A (KEES GEORGE JR ET AL) 30 March 1971 (1971-03-30)	1,2,6-9,
Y	column 1, line 73 - column 2, line 24; figure 5	14-16
Y	US 5 276 927 A (DAY JAMES L) 11 January 1994 (1994-01-11)	14-16
4	column 3, line 45 - line 51; figure 1	12
<i>A</i>	US 2002/133174 A1 (BRONISZ LARRY ET AL) 19 September 2002 (2002-09-19) paragraphs [0034], [0047]; figure 7	1,11,12, 14,16
<b>A</b>	US 5 560 728 A (MCFADDEN JOSEPH T) 1 October 1996 (1996-10-01) abstract; figure 1	1,14
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X Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.			
Special categories of cited documents :				
"A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier document but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  "&" document member of the same patent family			
Date of the actual completion of the international search	Date of mailing of the international search report			
4 August 2004	.0 8 NOV 2004			
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk	Authorized officer			
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Mayer-Martenson, E			

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Category °	Citation of document, Addication, where appropriate, of the relevant passages	
	niele appropriate, of the relevant passages	Relevant to claim No.
Ą	US 4 964 748 A (MCFADDEN JOSEPH T) 23 October 1990 (1990-10-23) abstract; figure 1	1,14
1		1

## INTERNATIONAL SEARCH REPORT



Box II Observations where ertain claims were found unsearchable (Continuation of item 2 of first sheet)
2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.:     because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.:     because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.:  1-16, 20
Remark on Protest  The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.
POTION (ALC )



# FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-16,20

swivel adapter

2. claims: 17-19

base unit handle

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